

# A Dieter Schlatter

## List of Publications by Year in descending order

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221  
papers

11,465  
citations

28274

55  
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36028

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233  
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233  
docs citations

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times ranked

8690  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendronized Polymers: Synthesis, Characterization, Assembly at Interfaces, and Manipulation. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 864-883.	13.8	675
2	Two-Dimensional Polymers: Just a Dream of Synthetic Chemists?. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1030-1069.	13.8	651
3	A two-dimensional polymer prepared by organic synthesis. <i>Nature Chemistry</i> , 2012, 4, 287-291.	13.6	376
4	Gram-scale synthesis of two-dimensional polymer crystals and their structure analysis by X-ray diffraction. <i>Nature Chemistry</i> , 2014, 6, 779-784.	13.6	356
5	Suzuki Polycondensation: Polyarylenes À la Carte. <i>Macromolecular Rapid Communications</i> , 2009, 30, 653-687.	3.9	289
6	Synthesis of a Two-Dimensional Covalent Organic Monolayer through Dynamic Imine Chemistry at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 213-217.	13.8	276
7	Synthesis of Free-Standing, Monolayered Organometallic Sheets at the Air/Water Interface. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7879-7884.	13.8	257
8	Dendronized Polymers: Recent Progress in Synthesis. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 328-339.	2.2	221
9	Large Area Synthesis of a Nanoporous Two-Dimensional Polymer at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2015, 137, 3450-3453.	13.7	209
10	Self-Assembly of Focal Point Oligo-catechol Ethylene Glycol Dendrons on Titanium Oxide Surfaces: Adsorption Kinetics, Surface Characterization, and Nonfouling Properties. <i>Journal of the American Chemical Society</i> , 2011, 133, 10940-10950.	13.7	185
11	Two-dimensional polymers: concepts and perspectives. <i>Chemical Communications</i> , 2016, 52, 18-34.	4.1	185
12	A Two-Dimensional Polymer from the Anthracene Dimer and Triptycene Motifs. <i>Journal of the American Chemical Society</i> , 2013, 135, 14134-14141.	13.7	179
13	PEG-Stabilized Core-Shell Nanoparticles: Impact of Linear versus Dendritic Polymer Shell Architecture on Colloidal Properties and the Reversibility of Temperature-Induced Aggregation. <i>ACS Nano</i> , 2013, 7, 316-329.	14.6	176
14	Molecular Structure of Single DNA Complexes with Positively Charged Dendronized Polymers. <i>Journal of the American Chemical Society</i> , 2002, 124, 6860-6865.	13.7	173
15	Thermoresponsive Dendronized Polymers. <i>Macromolecules</i> , 2008, 41, 3659-3667.	4.8	148
16	Synthesis of a Covalent Monolayer Sheet by Photochemical Anthracene Dimerization at the Air/Water Interface and its Mechanical Characterization by AFM Indentation. <i>Advanced Materials</i> , 2014, 26, 2052-2058.	21.0	147
17	A Two-Dimensional Polymer Synthesized through Topochemical [2 + 2]-Cycloaddition on the Multigram Scale. <i>Journal of the American Chemical Society</i> , 2017, 139, 2053-2059.	13.7	138
18	A Covalent Chemistry Approach to Giant Macromolecules with Cylindrical Shape and an Engineerable Interior and Surface. <i>Topics in Current Chemistry</i> , 0, , 151-191.	4.0	136

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19	Tuning Polymer Thickness: Synthesis and Scaling Theory of Homologous Series of Dendronized Polymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 11841-11854.	13.7	130
20	Synthesis of Two-Dimensional Analogues of Copolymers by Site-to-Site Transmetalation of Organometallic Monolayer Sheets. <i>Journal of the American Chemical Society</i> , 2014, 136, 6103-6110.	13.7	128
21	A Poly(para-phenylene) with Hydrophobic and Hydrophilic Dendrons: Prototype of an Amphiphilic Cylinder with the Potential to Segregate Lengthwise. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2370-2372.	13.8	126
22	Ordered Dendritic Nanorods with a Poly(p-phenylene) Backbone. <i>Journal of the American Chemical Society</i> , 1998, 120, 7691-7695.	13.7	120
23	Thermoresponsive dendronized polymers with tunable lower critical solution temperatures. <i>Chemical Communications</i> , 2008, , 5523.	4.1	113
24	Towards Macroscopic Crystalline 2D Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13748-13763.	13.8	113
25	The Largest Synthetic Structure with Molecular Precision: Towards a Molecular Object. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 737-740.	13.8	111
26	A Surface-Modified Dendrimer Set for Potential Application as Drug Delivery Vehicles: Synthesis, In Vitro Toxicity, and Intracellular Localization. <i>Chemistry - A European Journal</i> , 2004, 10, 1167-1192.	3.3	107
27	Extremely Long Dendronized Polymers: Synthesis, Quantification of Structure Perfection, Individualization, and SFM Manipulation. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4666-4669.	13.8	106
28	EPR Spectroscopic Characterization of Local Nanoscopic Heterogeneities during the Thermal Collapse of Thermoresponsive Dendronized Polymers. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5683-5687.	13.8	105
29	Efficient Synthesis of High Molar Mass, First- to Fourth-Generation Distributed Dendronized Polymers by the Macromonomer Approach. <i>Chemistry - A European Journal</i> , 2003, 9, 6083-6092.	3.3	103
30	Shape-Persistent Macrocycles with Terpyridine Units: Synthesis, Characterization, and Structure in the Crystal. <i>Journal of the American Chemical Society</i> , 2003, 125, 6907-6918.	13.7	102
31	A Cyclotetraicosaphenylene. <i>Chemistry - A European Journal</i> , 1999, 5, 421-429.	3.3	93
32	Homologous Series of Dendronized Polymethacrylates with a Methyleneoxycarbonyl Spacer between the Backbone and Dendritic Side Chain: Synthesis, Characterization, and Some Bulk Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 6658-6666.	13.7	93
33	Sustained gastrointestinal activity of dendronized polymer-enzyme conjugates. <i>Nature Chemistry</i> , 2013, 5, 582-589.	13.6	92
34	How Dendrons Stiffen Polymer Chains: A SANS Study. <i>Macromolecules</i> , 1999, 32, 4043-4049.	4.8	91
35	The Carbon Skeleton of the Belt Region of Fullerene C <sub>84</sub> (D <sub>2</sub> ). <i>Chemistry - A European Journal</i> , 2003, 9, 2745-2757.	3.3	88
36	A Fluorescently Labeled Dendronized Polymer-Enzyme Conjugate Carrying Multiple Copies of Two Different Types of Active Enzymes. <i>Journal of the American Chemical Society</i> , 2012, 134, 11392-11395.	13.7	80

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37	Formation of a Mesoscopic Skin Barrier in Mesoglobules of Thermoresponsive Polymers. Journal of the American Chemical Society, 2011, 133, 10832-10838.	13.7	76
38	Squareâ€Micrometerâ€Sized, Freeâ€Standing Organometallic Sheets and Their Squareâ€Centimeterâ€Sized Multilayers on Solid Substrates. Macromolecular Rapid Communications, 2013, 34, 1670-1680.	3.9	71
39	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	2.2	69
40	Synthesis of Amphiphilic Poly(p-phenylene)s with Pendant Dendrons and Linear Chains. Macromolecules, 2000, 33, 2688-2694.	4.8	68
41	Dual Fluorescence of Phenyl and Biphenyl Substituted Pyrene Derivatives. Journal of Physical Chemistry A, 2003, 107, 5941-5947.	2.5	66
42	Synthesis of an oligo(ethylene glycol)â€based thirdâ€generation thermoresponsive dendronized polymer. Journal of Polymer Science Part A, 2009, 47, 6630-6640.	2.3	65
43	Synthesis and an X-ray Structure of Soluble Phenylacetylene Macrocycles with Two Opposing Bipyridine Donor Sites. Chemistry - A European Journal, 2000, 6, 2362-2367.	3.3	64
44	Dendronized Polymers:â€Increasing of Dendron Generation by the Attach-to Approach. Macromolecules, 2000, 33, 4321-4328.	4.8	63
45	Liquid-Crystalline Polymers from Cationic Dendronized Polymerâ€Anionic Lipid Complexes. Journal of the American Chemical Society, 2006, 128, 13998-13999.	13.7	62
46	Dendronized Polymers: Molecular Objects between Conventional Linear Polymers and Colloidal Particles. ACS Macro Letters, 2014, 3, 991-998.	4.8	62
47	Synthetic 2D Polymers: A Critical Perspective and a Look into the Future. Macromolecular Rapid Communications, 2019, 40, e1800719.	3.9	62
48	Covalent Connection of Two Individual Polymer Chains on a Surface: An Elementary Step towards Molecular Nanoconstructions. Angewandte Chemie - International Edition, 2003, 42, 1932-1935.	13.8	61
49	A Twoâ€Dimensional Polymer Synthesized at the Air/Water Interface. Angewandte Chemie - International Edition, 2018, 57, 10584-10588.	13.8	61
50	Synthesizing molecular fishing nets. Physics Today, 2018, 71, 40-47.	0.3	59
51	5,5â€Disubstituted 2,2â€:6â€:2â€-Terpyridines through and for Metal-Mediated Cross-Coupling Chemistry. Chemistry - A European Journal, 1999, 5, 854-859.	3.3	58
52	Synthetic Two-Dimensional Polymers. Annual Review of Materials Research, 2017, 47, 361-389.	9.3	58
53	Sequential Immobilization of Enzymes in Microfluidic Channels for Cascade Reactions. ChemPlusChem, 2012, 77, 98-101.	2.8	57
54	Entering a New Level of Use for Suzuki Cross-Coupling: Poly(para-phenylene)s with Fourth-Generation Dendrons. Chemistry - A European Journal, 2000, 6, 3235-3241.	3.3	56

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55	Suzuki Polycondensation Put to Work: A Tough Poly(meta-phenylene) with a High Glass-Transition Temperature. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4956-4959.	13.8	55
56	Synthesis of an Anionically Chargeable, High-Molar-Mass, Second-Generation Dendronized Polymer and the Observation of Branching by Scanning Force Microscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 5091-5099.	13.7	54
57	Real Space Imaging and Molecular Packing of Dendronized Polymer~Lipid Supramolecular Complexes. <i>Macromolecules</i> , 2007, 40, 7609-7616.	4.8	53
58	Quantitative Aspects of the Dendronization of Dendronized Linear Polystyrenes. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2540-2550.	2.2	52
59	Single-Site Catalysts on a Cylindrical Support beyond Nanosize. <i>Organometallics</i> , 2003, 22, 4175-4177.	2.3	52
60	Phenylacetylene Macrocycles with Two Opposing Bipyridine Donor Sites: Syntheses, X-ray Structure Determinations, and Ru Complexation. <i>Chemistry - A European Journal</i> , 2002, 8, 357-365.	3.3	50
61	Glassy State of Single Dendronized Polymer Chains. <i>Macromolecules</i> , 2004, 37, 2484-2489.	4.8	49
62	A Rigid, Chiral, Dendronized Polymer with a Thermally Stable, Right~Handed Helical Conformation. <i>Chemistry - A European Journal</i> , 2008, 14, 6924-6934.	3.3	49
63	Comblike Liquid-Crystalline Polymers from Ionic Complexation of Dendronized Polymers and Lipids. <i>Macromolecules</i> , 2007, 40, 2822-2830.	4.8	48
64	Dendronized Polystyrenes with Hydroxy and Amino Groups in the Periphery. <i>Macromolecules</i> , 1998, 31, 9372-9378.	4.8	46
65	Solid-State Photopolymerization of a Shape-Persistent Macrocycle with Two 1,8-Diazaanthracene Units in a Single Crystal. <i>Journal of the American Chemical Society</i> , 2012, 134, 11721-11725.	13.7	45
66	Chemical Mapping of Nanodefects within 2D Covalent Monolayers by Tip-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , 2018, 12, 5021-5029.	14.6	45
67	A Facile Synthetic Route to a Third-Generation Dendrimer with Generation-Specific Functional Aryl Bromides. <i>Organic Letters</i> , 2000, 2, 1645-1648.	4.6	44
68	Fluorescent dendrimers with a peptide cathepsin~B cleavage site for drug delivery applications. <i>Chemical Communications</i> , 2005, , 1830-1832.	4.1	43
69	Formation of Stable Mesoglobules by a Thermosensitive Dendronized Polymer. <i>Macromolecules</i> , 2009, 42, 7122-7128.	4.8	43
70	Enzyme immobilization on silicate glass through simple adsorption of dendronized polymer~enzyme conjugates for localized enzymatic cascade reactions. <i>RSC Advances</i> , 2015, 5, 44530-44544.	3.6	41
71	Double-Helical Ultrastructure of Polycationic Dendronized Polymers Determined by Single-Particle Cryo-TEM. <i>Chemistry - A European Journal</i> , 2005, 11, 2923-2928.	3.3	40
72	Structure and Enzymatic Properties of Molecular Dendronized Polymer~Enzyme Conjugates and Their Entrapment inside Giant Vesicles. <i>Langmuir</i> , 2013, 29, 10831-10840.	3.5	40

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73	Minimally Invasive Characterization of Covalent Monolayer Sheets Using Tip-Enhanced Raman Spectroscopy. ACS Nano, 2015, 9, 4252-4259.	14.6	40
74	Self-Assembly and Induced Circular Dichroism in Dendritic Supramolecules with Cholesteric Pendant Groups. Journal of the American Chemical Society, 2010, 132, 10882-10890.	13.7	39
75	Suzuki Polycondensation toward High Molecular Weight Poly(m-phenylene)s: Mechanistic Insights and End-Functionalization. Macromolecules, 2012, 45, 5418-5426.	4.8	39
76	Structural Characterization of a Covalent Monolayer Sheet Obtained by Two-Dimensional Polymerization at an Air/Water Interface. Angewandte Chemie - International Edition, 2017, 56, 15262-15266.	13.8	39
77	Approaching Two-Dimensional Copolymers: Photoirradiation of Anthracene- and Diaza-Anthracene-Bearing Monomers in Langmuir Monolayers. Macromolecular Rapid Communications, 2015, 36, 151-158.	3.9	38
78	Efficient Synthesis of First- and Second-Generation, Water-Soluble Dendronized Polymers. Macromolecules, 2008, 41, 43-49.	4.8	37
79	Synthesis of Thermally Switchable Poly(N-isopropylacrylamide-block-dendronized methacrylate)s. Macromolecules, 2007, 40, 220-227.	4.8	35
80	Rheology and Packing of Dendronized Polymers. Macromolecules, 2016, 49, 7054-7068.	4.8	34
81	How the World Changes By Going from One- to Two-Dimensional Polymers in Solution. Macromolecular Rapid Communications, 2016, 37, 1638-1650.	3.9	34
82	Narrowly Distributed Dendronized Polymethacrylates by Reversible Addition-Fragmentation Chain Transfer(RAFT) Polymerization. Macromolecular Rapid Communications, 2004, 25, 799-803.	3.9	33
83	Branched versus Linear Polyelectrolytes: Intrinsic Viscosities of Peripherically Charged Dendronized Poly(methyl methacrylate)s and of Their Uncharged Analogues. Macromolecules, 2008, 41, 8173-8180.	4.8	33
84	Immobilization of Peroxidase on SiO <sub>2</sub> Surfaces with the Help of a Dendronized Polymer and the Avidin-Biotin System. Macromolecular Bioscience, 2011, 11, 1052-1067.	4.1	33
85	Room Temperature Synthesis of a Covalent Monolayer Sheet at Air/Water Interface Using a Shape-Persistent Photoreactive Amphiphilic Monomer. ACS Macro Letters, 2014, 3, 153-158.	4.8	33
86	Covalent Connection of Individualized, Neutral, Dendronized Polymers on a Solid Substrate Using a Scanning Force Microscope. Chemistry - A European Journal, 2006, 12, 6542-6551.	3.3	32
87	EPR Spectroscopy Provides a Molecular View on Thermoresponsive Dendronized Polymers Below the Critical Temperature. Macromolecular Chemistry and Physics, 2011, 212, 1229-1235.	2.2	32
88	Effect of Molecular Architecture on Single Polymer Adhesion. Langmuir, 2014, 30, 4351-4357.	3.5	32
89	Nanoscale Chemical Imaging of Interfacial Monolayers by Tip-Enhanced Raman Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 9361-9366.	13.8	32
90	Amino-Functionalized, Second-Generation Dendritic Building Blocks. European Journal of Organic Chemistry, 1998, 1998, 1275-1283.	2.4	31

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91	Synthesis and polymerization of functionalized dendritic macromonomers. <i>Journal of Polymer Science Part A</i> , 2001, 39, 1940-1954.	2.3	31
92	Self-Folding of Charged Single Dendronized Polymers. <i>Advanced Materials</i> , 2008, 20, 3204-3210.	21.0	31
93	Large Mechanical Response of Single Dendronized Polymers Induced by Ionic Strength. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4250-4253.	13.8	31
94	Simple enzyme immobilization inside glass tubes for enzymatic cascade reactions. <i>Journal of Materials Chemistry</i> , 2012, 22, 502-511.	6.7	31
95	Enriching and Quantifying Porous Single Layer 2D Polymers by Exfoliation of Chemically Modified van der Waals Crystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5683-5695.	13.8	31
96	Improved Suzuki polycondensation: A diiodo versus a dibromo monomer. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 139-142.	2.2	30
97	Shape-Persistent Macrocycles: A Synthetic Strategy that Combines Easy and Site-Specific Decorations with Improved Cyclization Efficiency. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2700-2712.	2.4	30
98	Progress toward the polymerization of a fourth generation dendritic macromonomer. <i>Macromolecular Rapid Communications</i> , 1999, 20, 21-25.	3.9	29
99	Double-Stranded Cycles: Toward C84's Belt Region. <i>Journal of Organic Chemistry</i> , 2007, 72, 424-430.	3.2	29
100	Rational Monomer Design towards 2D Polymers: Synthesis of a Macrocycle with Three 1,8-Anthrylene Units. <i>Chemistry - A European Journal</i> , 2009, 15, 8955-8960.	3.3	29
101	Assessing the Solution Shape and Size of Charged Dendronized Polymers Using Double Electron-Electron Resonance. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1583-1587.	4.6	28
102	Synthesis and polymerization of a amine-terminated dendronized styrene. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 239-245.	2.2	27
103	Synthesis of Pyrene Containing Building Blocks for Dendrimer Synthesis. <i>Synthesis</i> , 2001, 2001, 2143-2155.	2.3	27
104	Self-Assembly of Amphiphilic Poly(paraphenylene)s: Thermotropic Phases, Solution Behavior, and Monolayer Films. <i>Langmuir</i> , 2003, 19, 6537-6544.	3.5	27
105	Macrocyclic Amphiphiles with 1,8-Anthrylene Fluorophores: Synthesis and Attempts toward Two-Dimensional Organization. <i>Organic Letters</i> , 2010, 12, 2778-2781.	4.6	27
106	How to use X-ray diffraction to elucidate 2D polymerization propagation in single crystals. <i>Chemical Society Reviews</i> , 2020, 49, 5140-5158.	38.1	27
107	Towards a Fully Conjugated, Double-Stranded Cycle: A Mass Spectrometric and Theoretical Study. <i>Chemistry - A European Journal</i> , 2008, 14, 1628-1637.	3.3	26
108	Computer simulation of dendronized polymers: organization and characterization at the atomistic level. <i>RSC Advances</i> , 2013, 3, 126-140.	3.6	26



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109	Ink-Free Reversible Optical Writing in Monolayers by Polymerization of a Trifunctional Monomer: Toward Rewritable "Molecular Paper". Advanced Materials, 2017, 29, 1701220.	21.0	25
110	Unraveling two-dimensional polymerization in the single crystal. Journal of Applied Crystallography, 2018, 51, 481-497.	4.5	25
111	Exploring the Chemistry of a Double-Stranded Cycle with the Carbon Skeleton of the Belt Region of the C <sub>84</sub> Fullerene. European Journal of Organic Chemistry, 2007, 2007, 88-100.	2.4	24
112	Polyarylene Synthesis by Suzuki Polycondensation of Aryl Dichlorides and an Aryl Diboronic Acid Ester. Macromolecular Rapid Communications, 2008, 29, 1661-1665.	3.9	24
113	Ion-Induced Stretching of Low Generation Dendronized Polymers with Crown Ether Branching Units. Macromolecules, 2009, 42, 8781-8793.	4.8	24
114	Synthesis of High Generation Dendronized Polymers and Quantification of Their Structure Perfection. Macromolecules, 2014, 47, 4127-4135.	4.8	24
115	In-situ nanospectroscopic imaging of plasmon-induced two-dimensional [4+4]-cycloaddition polymerization on Au(111). Nature Communications, 2021, 12, 4557.	12.8	24
116	Synthesis of 5,5'-Disubstituted 2,2'-Bipyridines for Modular Chemistry. Synthesis, 1999, 1999, 683-687.	2.3	23
117	Title is missing!. Angewandte Chemie, 2003, 115, 1976-1979.	2.0	23
118	Makroskopische kristalline 2D-Polymere. Angewandte Chemie, 2018, 130, 13942-13959.	2.0	23
119	Structure Elucidation of 2D Polymer Monolayers Based on Crystallization Estimates Derived from Tip-Enhanced Raman Spectroscopy (TERS) Polymerization Conversion Data. Journal of the American Chemical Society, 2019, 141, 9867-9871.	13.7	23
120	Photoinduced Energy- and Electron-Transfer Processes in Dinuclear RuII-OsII, RuII-OsIII, and RuIII-OsII Trisbipyridine Complexes Containing a Shape-Persistent Macrocyclic Spacer. ChemPhysChem, 2006, 7, 229-239.	2.1	22
121	Photochemical Single-Crystal-to-Single-Crystal (SCSC) Reactions of Anthraphane to Dianthraphane and Poly<sub>1D</sub>anthraphane. Crystal Growth and Design, 2017, 17, 6510-6522.	3.0	22
122	Suzuki Polycondensation with a Hairpin Monomer. Organic Letters, 2009, 11, 4112-4115.	4.6	21
123	Synthesis of Dendronized Polymers by a "Click" Approach. Macromolecules, 2012, 45, 8555-8560.	4.8	21
124	Synthetic regimes due to packing constraints in dendritic molecules confirmed by labelling experiments. Nature Communications, 2013, 4, 1993.	12.8	21
125	Computer Simulation of Fifth Generation Dendronized Polymers: Impact of Charge on Internal Organization. Journal of Physical Chemistry B, 2013, 117, 6007-6017.	2.6	20
126	Facile Synthesis and Theoretical Conformation Analysis of a Triazine-Based Double-Decker Rotor Molecule with Three Anthracene Blades. Chemistry - A European Journal, 2014, 20, 6934-6938.	3.3	20



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127	Thiophene-based dendronized macromonomers and polymers. <i>Polymer</i> , 2007, 48, 4996-5004.	3.8	19
128	Synthesis of Compounds Presenting Three and Four Anthracene Units as Potential Connectors To Mediate Infinite Lateral Growth at the Air/Water Interface. <i>Chemistry - A European Journal</i> , 2008, 14, 10797-10807.	3.3	19
129	A Chemical System that Mimics Decoding Operations. <i>ChemPhysChem</i> , 2009, 10, 495-498.	2.1	19
130	Decorating the Edges of a 2D Polymer with a Fluorescence Label. <i>Journal of the American Chemical Society</i> , 2016, 138, 8976-8981.	13.7	19
131	New Parts for a Construction Set of Bifunctional Oligo(het)arylene Building Blocks for Modular Chemistry. <i>Synthesis</i> , 2000, 2000, 442-446.	2.3	18
132	Shape-Persistent Macrocycles with Bipyridine Units: Progress in Accessibility and Widening of Applicability. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 822-837.	2.4	18
133	Loading and release capabilities of charged dendronized polymers revealed by EPR spectroscopy. <i>Chemical Science</i> , 2012, 3, 2550.	7.4	18
134	Interactions between Individual Charged Dendronized Polymers and Surfaces. <i>Macromolecules</i> , 2013, 46, 3603-3610.	4.8	18
135	Synthesis of Neutral, Water-Soluble Oligo(ethylene Glycol)-Containing Dendronized Homo- and Copolymers of Generations 1, 1.5, 2, and 3. <i>Macromolecules</i> , 2014, 47, 7337-7346.	4.8	18
136	Building Blocks for the Construction of Large Chloro-Functionalized, Hexagonal Oligophenylene Cycles. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 451-458.	2.4	17
137	Evidence for Fully Conjugated Double-Stranded Cycles. <i>Chemistry - A European Journal</i> , 2011, 17, 12163-12174.	3.3	17
138	Solvent induced phenomena in a dendronized linear polymer. <i>Colloid and Polymer Science</i> , 2013, 291, 2879-2892.	2.1	17
139	Dendronized Polymers with Ureidopyrimidinone Groups: An Efficient Strategy To Tailor Intermolecular Interactions, Rheology, and Fracture. <i>Macromolecules</i> , 2017, 50, 5176-5187.	4.8	17
140	Extended $\pi$ -systems: synthesis and characterization. <i>Synthetic Metals</i> , 1996, 83, 173-176.	3.9	16
141	Hydroxy-Functionalized Dendritic Building Blocks. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2551-2556.	2.4	16
142	Synthesis of Low-Generation, Aryl-/Alkyl-Type, Nonpolar Dendrons Carrying Protected Hydroxyalkyl Groups in the Periphery. <i>Journal of Organic Chemistry</i> , 2002, 67, 5327-5332.	3.2	16
143	Interactions in dendronized polymers: intramolecular dominates intermolecular. <i>Soft Matter</i> , 2014, 10, 1032.	2.7	16
144	Photochemical Creation of Covalent Organic 2D Monolayer Objects in Defined Shapes via a Lithographic 2D Polymerization. <i>ACS Nano</i> , 2018, 12, 11294-11306.	14.6	16

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145	8,9-Didehydrofluoranthenes as Building Blocks for the Synthesis of Extended Polycyclic Aromatic Hydrocarbons (PAHs). <i>Organic Letters</i> , 2001, 3, 3115-3118.	4.6	15
146	Aggregation of an Amphiphilic Poly(p-phenylene) in Micellar Surfactant Solutions. Small-Angle Neutron Scattering. <i>Macromolecules</i> , 2005, 38, 7451-7455.	4.8	15
147	Dendronized Polymers via Macromonomer Route in Supercritical Carbon Dioxide. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1609-1613.	3.9	15
148	A Set of Homologous Hetarylenediyne Macrocyces by Oxidative Acetylene-Acetylene Coupling. <i>Organic Letters</i> , 2008, 10, 2091-2093.	4.6	15
149	Controlling Hierarchical Self-Assembly in Supramolecular Tailed-Dendron Systems. <i>Macromolecules</i> , 2010, 43, 4752-4760.	4.8	15
150	Single-Molecule Force Measurements by Nano-Handling of Individual Dendronized Polymers. <i>ACS Nano</i> , 2014, 8, 2237-2245.	14.6	15
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